

## Amendments to the Claims

1. (currently amended) A system for entry and display of blueprint data comprising a handheld device, said handheld device further comprising:

a graphical user interface for providing line segment data entry fields, arc data fields comprising a start point field, an end point field, and a radius field and for displaying input line segments and arc data;

a processor and memory adapted for accepting, storing, and editing line segment and arc data associated with said input line segments, said editing of said arc data further comprising an arc segmenter for automatically segmenting a previously placed arc into at least two distinct arc segments.

2. (original) The system of Claim 1, wherein said input line segments are stored as a hierarchical sequence, and wherein editing, insertion, or deletion of a selected line segment translates line segments that succeed the selected line segment of said hierarchical sequence without translating line segments that precede the selected line segment in said hierarchical sequence.

3. (original) The system of Claim 1, wherein said line segment data entry fields comprise a start point field, a direction field, and a length field.

4. (original) The system of Claim 1, wherein said display is a touchscreen.

5-6. (canceled)

7. (original) The system of Claim 1, further comprising a keypad.

8. (Currently amended) A method for entering blueprint data into a handheld device comprising:

entering a start point for a first line segment;

entering a length for said first line segment;

entering a direction for said first line segment; ~~and~~  
entering a start point for an arc;  
entering an end point for said arc;  
entering a radius for said arc;  
entering and displaying said line segment and said arc on a display associated  
with said handheld device;  
providing a segment editor to automatically parse said arc into a plurality of arc  
subdivisions.

9. (original) The method of Claim 8, further comprising entering a repeat factor  
for said line segment.

10. (canceled)

11. (original) The method of Claim 8, further comprising:  
entering a start point for a second line segment, wherein said start point of said  
second line segment is an end point of said first line segment; and  
entering and displaying said second line segment on said display.

12. (original) The method of Claim 11, further comprising:  
entering a start point for a third line segment, wherein said start point of said third  
line segment is an end point of said first line segment; and  
translating said second line segment so that the start point of said second line  
segment coincides with an end point of said third line segment.

13. (original) The method of Claim 11, further comprising:  
entering a start point for a third line segment, wherein said start point of said third  
line segment is an end point of said second line segment; and  
entering and displaying said third line segment on said display.

14. (original) The method of Claim 13, further comprising:

storing said first, second, and third line segments as a hierarchical sequence, and wherein editing or deletion of said second line segment automatically translates said third line segment without translating said first line segment.

15. (currently amended) A computer-readable medium comprising computer executable instructions stored therein for performing a method of entering blueprint data into a handheld device, said method comprising:

entering a start point for a first line segment;  
entering a length for said first line segment;  
entering a direction for said first line segment; and

entering a start point for an arc;

entering an end point for said arc;

entering a radius for said arc;

entering and displaying said line segment and said arc on a display associated with said handheld device;

providing a segment editor to automatically parse said arc into a plurality of arc subdivisions.

16. (canceled)

17. (original) The computer readable medium of Claim 15, wherein said method further comprises:

entering a start point for a second line segment, wherein said start point of said second line segment is an end point of said first line segment; and  
entering and displaying said second line segment on said display.

18. (original) The computer readable medium of Claim 17, wherein said method further comprises:

entering a start point for a third line segment, wherein said start point of said third line segment is an end point of said first line segment; and

translating said second line segment so that the start point of said second line segment coincides with an end point of said third line segment.

19. (original) The computer readable medium of Claim 17, wherein said method further comprises:

entering a start point for a third line segment, wherein said start point of said third line segment is an end point of said second line segment; and

entering and displaying said third line segment on said display.

20. (original) The computer readable medium of Claim 19, wherein said method further comprises:

storing said first, second, and third line segments as a hierarchical sequence, and wherein editing or deletion of said second line segment automatically translates said third line segment without translating said first line segment.